RELAY MODULE INSTRUCTION MANUAL — MODEL NO. CB100

This manual contains instructions for installing your American Sensors™ relay module. The relay module is ULC listed as an accessory for use only with American Sensors™ interconnectable smoke alarms in the 470L, 670L and 770L series, plus models SA360, SA379, ESA5011 and combination CO/Smoke alarm model COS2010.

WARNING: This relay will not operate without continuous AC power. Do not use with battery backup units.

CAUTION: Do not interconnect Model No. CB100 to any other manufacturer's units.

RATING: 120VAC, 100mA

Use Your Relay Module For:
Sirens/Exit Signs/Bells
Warning Lights/Fire Doors/Exhaust Fans
Visual Indicators

CAUTION: THE RELAY MODULE IS NOT TO BE USED AS A METHOD OF EXTENDING THE MAXIMUM NUMBER OF SMOKE ALARMS PERMITTED IN MULTIPLE STATION OPERATION. (REFER TO SMOKE ALARM MANUAL FOR SPECIFIED MAXIMUM LIMIT.) EACH RELAY MODULE REPLACES ONE SMOKE ALARM LOAD IN AN INTERCONNECTED STRING. THEREFORE: USE OF THE RELAY REDUCES THE MAXIMUM NUMBER OF INTERCONNECTED SMOKE ALARMS BY ONE.

INSTALLATION INSTRUCTIONS

The CB100 relay module should be installed in a junction box. All connections should be made by a qualified electrician in accordance with the requirements of the National Electric Code and/or any local codes having jurisdiction.

1. Turn off main power circuit.
2. Install and wire your compatible American Sensors™ smoke alarm as recommended in your smoke alarm owner's manual.
3. Connect the black wires of the relay module and the smoke alarm to the black wire of the 120 VAC line.
4. Connect the interconnect wires as described below:
5. Connect the white wires of the relay module and the smoke alarm to the white wire of the 120 VAC line.
6. Connect the auxiliary device to the relay module contact leads as required. Both normally open and normally closed contacts are available to control the auxiliary device.
7. Cap any unused leads with a wire nut.
8. Insert the relay module into the junction box and install the faceplate.
9. Apply power to the circuit and test the smoke alarm and the auxiliary relay device for proper operation.

Your American Sensors™ CB100 relay module is easily configured to allow it to operate for either a CO alarm condition only, a smoke alarm condition only or for both CO and smoke alarm conditions.

<u>To Operate For A Smoke Alarm Condition Only:</u>
See Fig. 1a and 1b on reverse.
Connect orange interconnect wire of the CB100 to the orange interconnect wire of your smoke alarm (or to the orange and brown wires of your CO/Smoke alarm).

<u>To Operate Relay For A CO Alarm Condition Only:</u>
See Fig 2 on reverse.
Connect brown interconnect wire of the CB100 to the orange and brown wires of your co/smoke alarm and orange wire of interconnected smoke alarms.

<u>To Operate Relay For Both Smoke Alarm And CO Alarm Conditions:</u>
See Fig. 2 on reverse.
Open the green jumper wire on the CB100 and isolate each end using a wire nut. Connect the brown interconnect wire of the CB100 to the orange interconnect wire of your smoke alarm and to the orange and brown wires of your CO/Smoke alarm.

1 YEAR LIMITED WARRANTY

MODEL NO. CB100

This product is listed by UNDERWRITER'S LABORATORIES OF CANADA and Bears the Mark.

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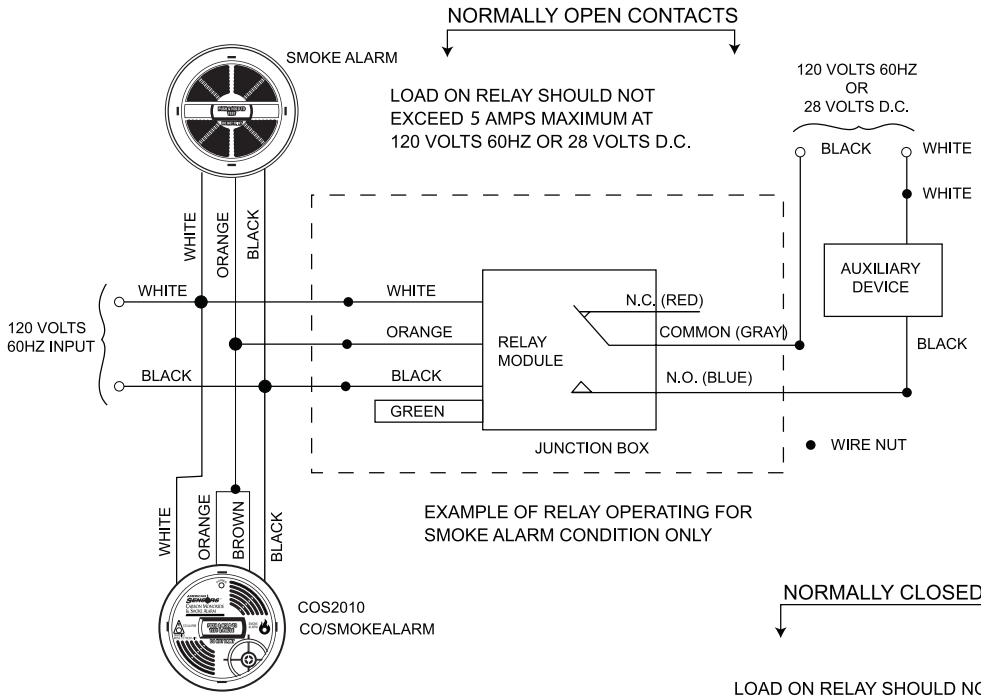

Fig. 1a

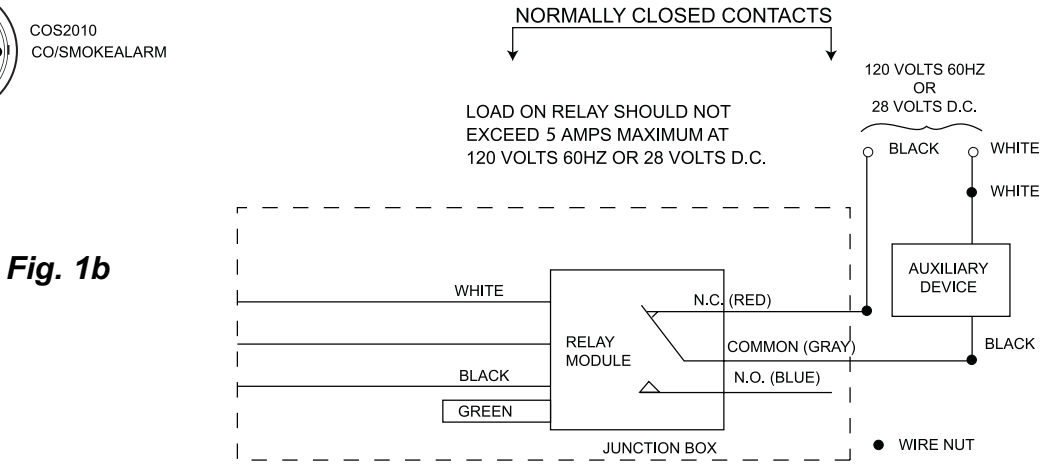

Fig. 1b

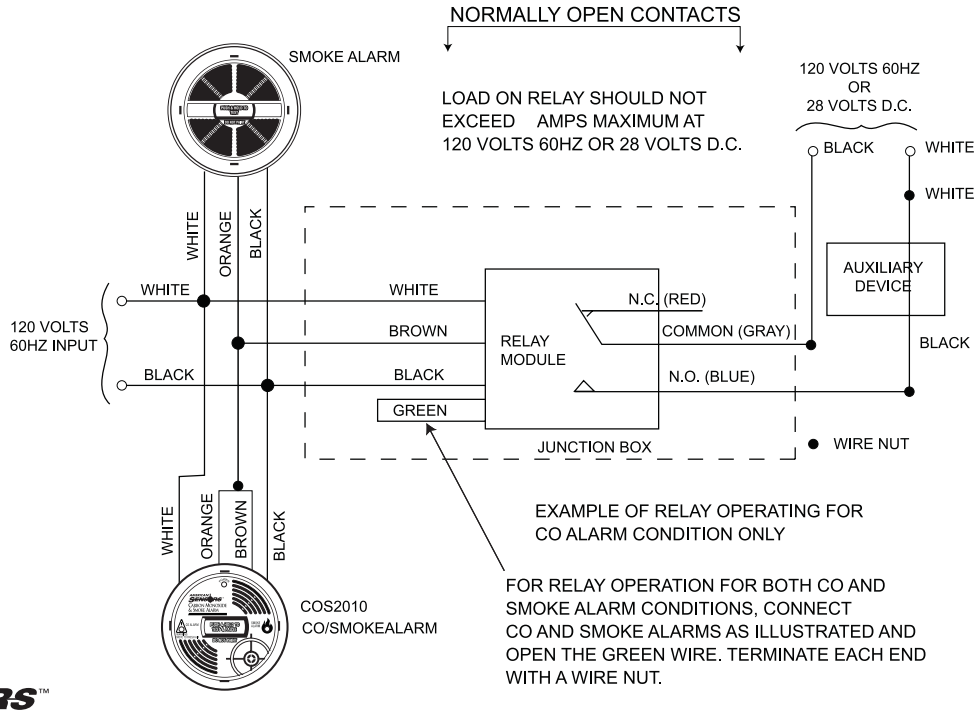

Fig. 2

AMERICAN SENSORS™

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